

**RECONSTRUCTED EPIDERMIS/SKIN EQUIVALENT COMPRISING A  
CERAMIDE 7 AND/OR 5.5 AND LAMELLAR VESICULAR  
COMPOSITIONS COMPRISING CERAMIDE 7 AND/OR 5.5  
COMPOUNDS**

5

**ABSTRACT OF THE DISCLOSURE**

10 A reconstructed epidermis/skin equivalent supplemented with at least one  
ceramide 7 and/or 5.5 compound, suited for reinforcing the barrier function of  
normal human epidermis and for improving the barrier function of dry skin and of  
reconstructed skin or skin equivalents, is prepared by introducing the at least one  
ceramide 7 and/or 5.5 compound into the culture medium of such reconstructed  
epidermis/skin equivalent and/or topically applying onto the face surface of such  
15 reconstructed epidermis/skin equivalent a composition which comprises lipid  
lamellar vesicles incorporating at least one ceramide 7 and/or 5.5 compound.